



DEPARTMENT OF OTOLARYNGIC & ENDOCRINE PATHOLOGY

Dennis K. Heffner, M.D.
Chairperson
Date of Appointment - 1 September 1984

MISSION

The department is charged with providing consultative functions and educational activities and with the performance of research in the subspecialty of pathology of the upper respiratory tract, ear, and related head and neck areas and of the pancreas, adrenal, thyroid, and parathyroid glands.

STAFF

Medical

Clara S. Heffess, COL, MC, USA, Chief, Division of Endocrine Pathology
Bruce M. Wenig, MD, Chief, Division of Otolaryngic Pathology; Assistant Chairperson for the department
Carol F. Adair, LTC, MC, USA
Lester D. R. Thompson, LT, MC, USNR

Administrative

Shirley L. Darby, Secretary

CONSULTATION

Cases

<i>Cases</i>	<i>Received (Total numbers only)</i>
Military	585
Federal (VA/PHS)	236
Civilian	1,291
Interdepartmental	564

Difficult or controversial histopathologic diagnostic problems are received in consultation from U.S. military medical commands or facilities, Department of Veterans Affairs' medical centers, U.S. Public Health centers, and nongovernmental civilian hospitals both within the continental United States and abroad (including foreign contributors). The vast majority of cases are active surgical pathology cases with patient treatment decisions awaiting the consultative diagnostic evaluation. The spectrum of pathologic conditions handled by and of interest to the staff is broad, consisting of a multitude of disease entities affecting the upper respiratory tract, ear, and adjacent or related anatomic areas of the head and neck and the pancreas, adrenal, thyroid, and parathyroid glands.

Cases received by the Endocrine Division were 1,143, versus 963 for the Otolaryngic Division. Intramural consults were 192 for Endocrine and 372 for the Otolaryngic Division. The percentage of civilian cases was 59% for Endocrine and 63% for Otolaryngic.

RESEARCH

The department's research philosophy is based upon the view that the unique essence of the AFIP

most relevant to the pathology community resides in the case material acquired through the consultation service and the staff diagnostic expertise associated therewith. Thus, the research efforts of the department are mainly based directly upon the consultation material and histopathologic study of same. (Completed projects published this year are included under "Publications.")

CY95 approved research projects are studies of:

1. Aggressive nonsarcomatous fibrous lesions of the sinonasal tract
2. Olfactory esthesioneuroblastoma: a proposed grading system
3. Oncocytomas of the submandibular gland
4. Synovial sarcomas of the head and neck
5. Sarcoidosis of the thyroid gland
6. Nodular fasciitis of the external ear area
7. Angiosarcomas of the adrenal gland
8. Amyloid goiter (of the thyroid gland)
9. Mixed acinar-endocrine tumors of the pancreas
10. Pancreatoblastomas
11. Juvenile active ossifying fibromas of the sinonasal tract
12. Immunohistochemistry of sinonasal teratocarcinosarcomas
13. Mucinous cystic neoplasms of the pancreas
14. Carcinomas of the oral cavity, larynx, and nose in children
15. Sinonasal hemangiopericytoma
16. Mesenchymal tumors of the thyroid gland
17. Teratomas of the thyroid
18. Dyshormonogenetic goiter
19. Solid and papillary neoplasm of the pancreas
20. Spindle cell (sarcomatoid) carcinoma of the larynx
21. Paragangliomas of the thyroid gland
22. Papillary carcinomas of the thyroid gland in children
23. Papillary oncocytic carcinomas of the pancreas
24. Langerhans cell histiocytosis of the thyroid gland
25. Proliferative lesions of the ferret adrenal cortex.

EDUCATION

The department conducted lectures and practical histopathologic slide exercises during most of the year. Seven otolaryngic surgical resident trainees and one pathology resident participated in this program. Most periods of study were for 4 weeks. Four of these persons were civilians and three were military.

A 4-week-long Otolaryngic Basic Science Course was presented from 6 March to 31 March 1995. Nineteen military and 12 civilian surgeons attended this course. About one fourth of the course time was comprised of pathology instruction provided by department staff members, and this provided 1,240 man-days of instruction (4wks x 1/4 x 40 hours/wk x 31 persons).

GOALS

CY96: The staff will concentrate on the many extant research projects. Also, we will begin preparing special-purpose syllabi to be used in conjunction with the department's educational videodisc on surgical pathology of the head and neck. Through use of the syllabi, the videodisc can be

customized for use by different groups, i.e., ENT surgeons or pathologists.

Work will be completed on developing a course in endocrine pathology for pathologists and endocrinologists.

A book on head and neck pathology is planned.

Longer term goals: When appropriate DNA probes become readily available, studies on the importance of human papilloma viruses in the genesis of some laryngeal carcinomas will be pursued.

PRESENTATIONS

1. The staff gave multiple presentations throughout the year to groups of local pathologists and also ENT surgeons, endocrinologists, and medical students at Georgetown University, Walter Reed Army Medical Center, and the National Naval Medical Center. The staff participated in numerous local AFIP courses and the weekly AFIP staff lectures.
2. Jan. 1995: Chicago, Ill., Loyola University, "Cystic Neoplasms of the Pancreas," Clara S. Heffess, COL, MC, USA.
3. Feb. 1995: Orlando, Fla., Armed Forces Institute of Pathology Seminar: Controversies and Recent Advances in Surgical Pathology, "Endocrine Organ Neoplasms: Differentiating Benign/Reactive Lesions from Malignant Neoplasms," Bruce M. Wenig, M.D.
4. Feb. 1995: Orlando, Fla., Armed Forces Institute of Pathology Seminar: Controversies and Recent Advances in Surgical Pathology, "Pseudoneoplastic Lesions of the Head and Neck," Bruce M. Wenig, M.D.
5. Feb. 1995: Orlando, Fla., Armed Forces Institute of Pathology Seminar: Controversies and Recent Advances in Surgical Pathology, "Thyroid Papillary Carcinoma: Usual Type and Subtypes," Bruce M. Wenig, M.D.
6. Mar. 1995: Toronto, Ontario, U.S. and Canadian Academy of Pathology, "Lymphoepithelial Cysts of the Pancreas: a Rare Lesion of Uncertain Etiology," poster presentation, Carol F. Adair, LTC, MC, USA, Lester D. R. Thompson, LT, MC, USNR, Bruce M. Wenig, M.D., and Clara S. Heffess, COL, MC, USA.
7. Mar. 1995: Toronto, Ontario, U.S. and Canadian Academy of Pathology, "Langerhans Cell Histiocytosis of the Thyroid: a Series of Seven Cases and Review of the Literature," poster presentation, Lester D. R. Thompson, LT, MC, USNR, Bruce M. Wenig, M.D., Carol F. Adair, LTC, MC, USA, Brion C. Smith, LTC, DC, USA, Clara S. Heffess, COL, MC, USA.
8. Mar. 1995: Toronto, Canada, U. S. and Canadian Academy of Pathology, "Columnar Cell Variant of Thyroid Papillary Carcinoma," poster presentation, Bruce M. Wenig, M.D., Lester D. R. Thompson, LT, MC, USNR, Carol F. Adair, LTC, MC, USA, Clara S. Heffess, COL, MC, USA.
9. Mar. 1995: Toronto, Canada, U. S. and Canadian Academy of Pathology, "Morphologic Patterns and Clinicopathologic Features of Papillary Thyroid Carcinoma in Children," poster presentation, Clara S. Heffess, COL, MC, USA, Carol F. Adair, LTC, MC, USA, Lester D. R. Thompson, LT, MC, USNR, Bruce M. Wenig, M.D.
10. Mar. 1995: Toronto, Canada, U. S. and Canadian Academy of Pathology, "Ectopic Pituitary Adenomas: a Clinicopathologic Study of 15 Cases," poster presentation, Bruce M. Wenig, M.D., Clara S. Heffess, COL, MC, USA, Carol F. Adair, LTC, MC, USA, Lester D. R. Thompson, LT, MC, USNR.
11. Mar. 1995: Toronto, Canada, U. S. and Canadian Academy of Pathology, "Myofibroblastic Pseudotumors of the Larynx," poster presentation, Bruce M. Wenig, M.D., Kenneth Devaney, M.D.
12. Mar. 1995: Toronto, Canada, U. S. and Canadian Academy of Pathology, "Olfactory Neuroblastoma and Related Sinonasal Round Cell Lesions—MIC2, BCL2 and p53 immunohistochemistry," poster presentation, Kenneth Devaney, M.D., Susan L. Abbondanzo, M.D., Bruce M. Wenig, M.D.

13. Mar. 1995: St. Maarten, Virgin Islands, Newark Eye and Ear Infirmary's Keim Seminar, "Pathology of the Middle Ear and Temporal Bone," Bruce M. Wenig, M.D.
14. Mar. 1995: St. Maarten, Virgin Islands, Newark Eye and Ear Infirmary's Keim Seminar, "Carcinoma of the Tonsils," Bruce M. Wenig, M.D.
15. Mar. 1995: St. Maarten, Virgin Islands, Newark Eye and Ear Infirmary's Keim Seminar, "Pathology of the Larynx," Bruce M. Wenig, M.D.
16. Apr. 1995: Baltimore, Md., Osler Board Review Program, two review courses in "Otolaryngic and Endocrine Pathology," Lester D. R. Thompson, LT, MC, USNR.
17. Apr. 1995: Chicago, Ill., Osler Board Review Program, five review courses in "Otolaryngic Pathology for Otolaryngic Surgeons," Lester D. R. Thompson, LT, MC, USNR.
18. June 1995: San Juan, Puerto Rico, Controversies and Advances in Surgical Pathology (in Spanish), "Cystic Neoplasms of the Pancreas," Clara S. Heffess, COL, MC, USA.
19. Aug. 1995: New York, N.Y., Grand Rounds of the Department of Otolaryngology and Head - Neck Surgery of Columbia University Medical School, "Lymphoid Changes of the Tonsils and Adenoids that are Suggestive of HIV Infection," Bruce M. Wenig, M.D.
20. Aug. 1995: Chicago, Ill., Grand Rounds of the Department of Otolaryngology and Head - Neck Surgery of the University of Illinois Medical School, "Lymphoid Changes of the Tonsils and Adenoids that are Suggestive of HIV Infection," Bruce M. Wenig, M.D.
21. Aug. 1995: Rosario, Argentina, Pathology Society, "Seminar in Endocrine Pathology," Clara S. Heffess, COL, MC, USA.
22. Sept. 1995: New Orleans, La., American Society of Clinical Pathologists FNA Cytology Workshop, "Cytopathology Fine Needle Aspiration: a Self-assessment Workshop," Lester D. R. Thompson, LT, MC, USNR.
23. Oct. 1995: Charleston, S.C., Armed Forces Institute of Pathology Seminar: The Difficult Diagnosis in Surgical Pathology, "Thyroid Papillary Carcinoma: Usual Type and Subtypes," Bruce M. Wenig, M.D.
24. Oct. 1995: Charleston, S.C., Armed Forces Institute of Pathology Seminar: The Difficult Diagnosis in Surgical Pathology, "Undifferentiated Malignant Neoplasms of the Sinonasal Tract," Bruce M. Wenig, M.D.
25. Dec. 1995: Orlando, Fla., Armed Forces Institute of Pathology Seminar on Pulmonary and Mediastinal Pathology, "Atypical Variants of Squamous Cell Carcinoma of the Upper Aerodigestive Tract," Bruce M. Wenig, M.D.

PUBLICATIONS:

Journal Articles

1. Abbondanzo SL, Wenig BM. Non-Hodgkin's lymphoma of the sinonasal tract: a clinicopathologic and immunophenotypic study of 120 cases. *Cancer*. 1995;75:1281-1291.
2. Beckner E, Heffess CS, Oertel JE. Oxyphilic papillary thyroid carcinomas. *Am J Clin Pathol*. 1995;103:280-287.
3. Gaertner EM, Davidson M, Wenig BM. The columnar cell variant of thyroid papillary carcinoma: case report and discussion of an unusually aggressive thyroid carcinoma. *Am J Surg Pathol*. 1995;19:940-947.
4. Hamed G, Shmookler B, Heffess C, Wenig BM. Amyloidosis of the thyroid gland. *Am J Clin Pathol*. 1995;104:306-312.
5. Klimstra DS, Wenig BM, Adair CF. Pancreatoblastoma: a clinicopathologic study and review of the literature. *Am J Surg Pathol*. 1995;19:1371-1389.
6. Nakayama M, Wenig BM, Heffner DK. Atypical stromal cells in inflammatory nasal polyps: immunohistochemical and ultrastructural analysis in defining histogenesis. *Laryngoscope*.

- 1995;105:127-134.
7. Nikiforov YE, Heffess CS, Korzenko AV, Fagin JA, Gnepp DR. Characteristics of follicular tumors and non-neoplastic thyroid lesions in children and adolescents exposed to radiation as a result of the Chernobyl disaster. *Cancer*. 1995;76:900-909.
8. Saltarelli MG, Fleming MV, Wenig BM, Gal AA, Mansour K, Travis WD. Primary basaloid squamous cell carcinoma of the trachea. *Am J Clin Pathol*. 1995;104:594-598.
9. Wenig BM. Laryngeal mucosal malignant melanoma: a clinicopathologic, immunohistochemical and ultrastructural study of four cases and a review of the literature. *Cancer*. 1995;75:1568-1577.
10. Wenig BM. Necrotizing sialometaplasia of the larynx: a report of two cases and a review of the literature. *Am J Clin Pathol*. 1995;105:609-613.
11. Wenig BM. Lipoma of the larynx and hypopharynx: a clinicopathologic study of three cases and a review of the literature. *J Laryngol Otol*. 1995;109:353-357.
12. Wenig BM, Heffner DK. Respiratory epithelial adenomatous hamartomas of the sinonasal tract and nasopharynx: a clinicopathologic study of 31 cases. *Ann Otol Rhinol Laryngol*. 1995;104:639-645.
13. Wenig BM, Heffner DK. Liposarcoma of the larynx and hypopharynx: a clinicopathologic study of eight new cases and a review of the literature. *Laryngoscope*. 1995;105:747-756.
14. Wenig BM, Vinh TN, Smirniotopoulos JG, Fowler CB, Houston G, Heffner DK. Aggressive psammomatoid ossifying fibromas of the sinonasal region: a clinicopathologic study of a distinct group of fibro-osseous lesions. *Cancer*. 1995;76:1155-1165.
15. Wenig BM, Adair CF, Heffess CS. Primary mucoepidermoid carcinoma of the thyroid gland: a report of six cases and a review of the literature of a follicular epithelial-derived tumor. *Hum Pathol*. 1995; 26:1099-1108.
16. Wenig BM, Devaney K, Bisceglia M. Inflammatory myofibroblastic pseudotumors of the larynx: a clinicopathologic report of eight cases including immunohistochemical and ultrastructural analysis. *Cancer*. 1995;76:2217-2229.

Books and Chapters

1. Heffess CS, Mullick FG, trans-ed. *Metodos Histotecnologicos*. Washington, DC: Armed Forces Institute of Pathology; 1995.
2. Smith BC, Wenig BM. Neurogenic neoplasms including melanoma. In: Ferlito A, ed. *Surgical Pathology of Laryngeal Neoplasms*. London, England: Chapman and Hall; 1995:195-247.
3. Wenig BM, Devaney K, Wenig BL. Pseudoneoplastic lesions of the oropharynx and larynx. In: Rosen PP, Fechner RE, eds. *Pathology Annual*; 1995;30(pt 1):143-187.
4. Wenig BM, Nakayama M. Adipose tissue neoplasms. In: Ferlito A, ed. *Surgical Pathology of Laryngeal Neoplasms*. London, England: Chapman and Hall; 1995:375-392.

Abstracts

1. Devaney K, Abbondanzo SL, Wenig BM. Olfactory neuroblastoma and related sinonasal round cell lesions--MIC-2, BCL-2, and p53 immunohistochemistry. *Mod Pathol*. 1995;8:100A.
2. Heffess C, Adair C, Thompson L, Wenig B. Morphologic patterns and clinicopathologic features of papillary carcinoma in children. *Mod Pathol*. 1995;8:53A.
3. Thompson LDR, Wenig BM, Adair CF, Smith BC, Heffess CS. Langerhans cell histiocytosis of the thyroid: a series of seven cases and a review of the literature. *Mod Pathol*. 1995;8:56A.
4. Wenig B, Heffess C, Adair C, Thompson L, Heffner D. Ectopic pituitary adenomas: a clinicopathologic study of 15 cases. *Mod Pathol*. 1995;8:56A.
5. Wenig BM, Thompson LDR, Adair CF, Heffess CS. Columnar cell variant of thyroid papillary carcinoma. *Mod Pathol*. 1995;8:56A.
6. Wenig BM, Devaney K. Myofibroblastic pseudotumors of the larynx. *Mod Pathol*. 1995;8:104A